



## TECHNICAL SERVICE BULLETIN

### 3.5L EcoBoost - Cold Start - Ticking/Tapping Or Rattle Type Noise - Built On Or Before 29-May-2015

18-2305

24 October  
2018

This bulletin supersedes 16-0027. Reason for update: New Part/Procedure For Same Condition

#### Model:

Ford 2011-2015 F-150
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#### Summary

This article supersedes TSB 16-0027 to update the Parts List.

**Issue:** Some 2011-2015 F-150 vehicles equipped with a 3.5L EcoBoost engine and built on or before 29-May-2015 may exhibit a ticking/tapping or rattle type noise from the top front cover area of the engine upon initial start-up lasting for 2-5 seconds after a cold soak of 6 hours or more.

**Action:** Follow the Service Procedure steps to correct the condition.

#### Parts

Part Number	Description	Quantity
BR3Z-6584-B	Cam Cover Gasket - Right Side (2011–2012)	1
DL3Z-6584-C	Cam Cover Gasket - Right Side (2013–2015)	1
BL3Z-6D256-C	Timing Chain Tensioner Kit	1
TA-357	Motorcraft® High Performance Engine RTV Silicone	1
ZC-30-A	Motorcraft® Silicone Gasket Remover	1
ZC-31-B	Motorcraft® Metal Surface Prep	1
VC-3-B	Motorcraft® Orange Concentrated Antifreeze/Coolant	1
XO-5W30-Q1SP	Motorcraft® SAE 5W-30 Premium Synthetic Blend Motor Oil	6

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

#### Labor Times

Description	Operation No.	Time
2011-2014 F-150 3.5L GTDI: Replace All Four VCT Units And The Primary Timing Chain (Do Not Use With Any Other Labor Operations)	182305A	9.2 Hrs.
2015 F-150 3.5L GTDI: Replace All Four VCT Units And The Primary Timing Chain (Do Not Use With Any Other Labor Operations)	182305B	9.0 Hrs.

#### Repair/Claim Coding

Causal Part:	6584
Condition Code:	42

#### Service Procedure

1. Check the vehicle build date. Was the vehicle built on or before 29-May-2015?

(1). Yes - proceed to Step 2.

(2). No - this procedure does not apply. Refer to Workshop Manual (WSM), Section 303-00 for normal diagnostics.

**2.** Does the customer state a ticking/tapping or rattle type noise lasting for 2-5 seconds occurs from the top front cover area of the engine upon cold start-up after a cold soak of 6 hours or more?

(1). Yes - proceed to Step 3.

(2). No - this article does not apply. Refer to WSM, Section 303-00 for normal diagnostics.

**3.** Replace all 4 variable camshaft timing (VCT) units and the primary timing chain. Refer to WSM, Section 303-01.

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